

10580736

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局



(43) 国际公布日:
2005年6月9日(09.06.2005)

PCT

(10) 国际公布号:
WO 2005/052286 A1

- (51) 国际分类号⁷: E04H 15/44
- (21) 国际申请号: PCT/CN2003/001001
- (22) 国际申请日: 2003年11月26日(26.11.2003)
- (25) 申请语言: 中文
- (26) 公布语言: 中文
- (71)(72) 发明人/申请人: 金基凤(KIM, Ki-Bong) [KR/CN];
中国福建省厦门市集美区杏前路52号, Fujian
361022 (CN).
- (74) 代理人: 厦门市新华专利商标代理有限公司
(XIAMEN SHINHWA PATENT & TRADE MARK
AGENCY CO., LTD.); 中国福建省厦门市湖滨东路
中段台湾酒店附楼一楼, Fujian 361004 (CN).
- (81) 指定国(国家): AE(UM), AG, AL(UM), AM(UM),
AT(UM), AU(POA), AZ(UM), BA(POA), BB,
BG(UM), BR(UM), BY(UM), BZ(UM), CA, CH,
CO(UM), CR(UM), CU(POA), CZ(UM), DE(UM),
DK(UM), DM, DZ(COA), EC(UM), EE(UM),
ES(UM), FI(UM), GB, GD, GE(UM), GH(UM), GM,
HR(CP), HU(UM), ID, IL(POA), IN(POA), IS,
JP(UM), KE(UM), KG, KP(IC), KR(UM), KZ(PR),

LC, LK, LR, LS(UM), LT, LU, LV, MA(COA),
MD(UM), MG(COA), MK, MN, MW(POA),
MX(UM), MZ(UM), NI, NO, NZ, OM, PG, PH,
PL(UM), PT(UM), RO, RU(UM), SC, SD, SE, SG,
SK(UM), SL(UM), SY, TJ(UM), TM(PR), TN,
TR(UM), TT(UC), TZ, UA(UM), UG(UC), US,
UZ(UM), VC, VN(PUS), YU, ZA(POA), ZM,
ZW(POA)

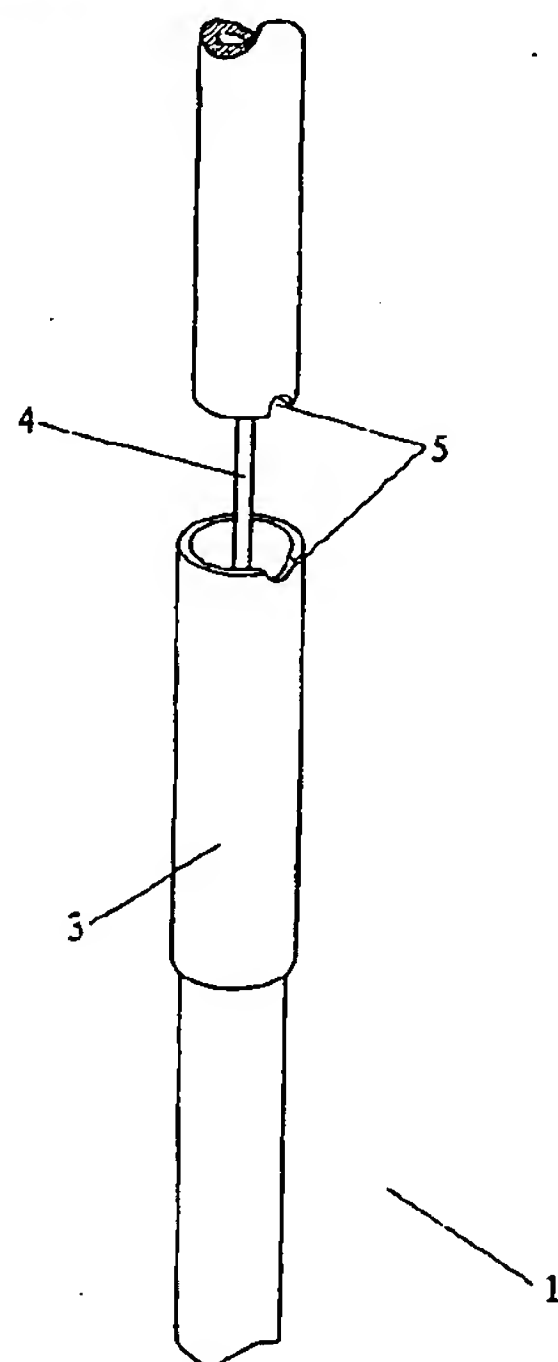
- (84) 指定国(地区): ARIPO专利(BW, GH, GM, KE, LS,
MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
欧亚专利(AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
欧洲专利(AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI专利(BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

UM: 实用新型 POA: 增补专利
COA: 增补证书 CP: 相互认可专利
IC: 发明人证书 PR: 临时专利
UC: 实用证书 PUS: 实用方案专利

本国际公布:
— 包括国际检索报告。

所引用双字母代码和其它缩写符号, 请参考刊登在每期
PCT公报期刊起始的“代码及缩写符号简要说明”。

- (54) Title: COLLAPSIBLE TENTPOLE
- (54) 发明名称: 折叠式帐篷撑杆



(57) Abstract: A collapsible tentpole (1), comprises a series of hollow shafts, connected by insertion into each other, and an elastic cord (4) arranged in the shafts with both ends secured to the two endmost shafts, wherein at least one groove (5) is arranged on at least one end of the shaft. As the collapsible tentpole is folded, said elastic cord (4) inside the shaft is accommodated in said grooves (5) instead of being exposed to the outside of the pole. During the erection or transportation of the collapsed shafts, said grooves (5) will protect the elastic cord (4) from the abrasion or break by the external or gravity force.



WO 2005/052286 A1

[见续页]



(57) 摘要

一种折叠式帐篷撑杆(1)，由一组中空杆体相互插接而成，且在各杆体内设有弹性绳(4)，该弹性绳(4)两端固定于两端的杆体上，其中：该杆体至少一端部设有至少一个可容纳弹性绳(4)的凹槽(5)。当撑杆(1)收折后，其杆体内的弹性绳(4)可容置于该凹槽(5)内，而非暴露与杆体的端部之外，当将折叠后的各杆体直立摆放或携带时，凹槽(5)可将弹性绳(4)保护起来，从而不会因受到外力或自重而磨损断裂。